Memoranda

SCHREIBER

SAN NICOLAS

AREA A

9 JUNE

~~st 15~~ - 3e - 2 pip, 1cv
~~st 14~~ - 2ch un 90, 28, 30, 38
75 - 110 19, 30, 42
~~dwl 2~~ - 2e
d - 73 - 140, 23, 36, 48
74 - 140 22, 35, 45
un 170, 22, 36, 47
~~wl Δ1~~ - 3 pip egg
~~un 2e~~
st 13 70 - 120 22, 32, 43
71 - 140 23, 32, 47
72 140 22, 32, 47
~~st 2~~ - ??
~~dwl x1~~ - 69 390 30, 70, 65
68 380 30, 60, 65
~~wl Δ 6~~
66, 120 19, 30, 43
65, 140 20, 30, 45
67 90 20, 27, 35

~~wl Δ5~~ - 2ch - 60gm + rot egg
~~on 13~~ - 3e - 1 pip, 1cv, 1ch
~~st 5~~ - wl dd ch
~~wl Δ7~~ - 3ch
~~on 3~~ - 1 dry, 1 wet, 1 pip egg
~~wl Δ8~~ - ??
~~st 4~~ - gve
~~un - 3e~~
~~wl Δ9~~ ??
~~dwl Δ1~~ - 3e - 1 dh pip, 1 el pip, 1 lt cv
~~2e - st1~~ - wl Δ10
~~st 7~~ - 4e
~~dwl Δ2~~ - 2ch 1 dry + 1 cv egg
~~st 12~~ - 2ch, 1 cv, egg
~~on 13~~ - 3e 1cv
~~on 2~~ 60 - 160 - 25, 38, 50 + rot egg
61 - 170 22, 36, 50
~~st 1~~ - 2e 1t cv

~~rd △11 - 58- 110-19,29,40~~
+rot egg

~~or 5-~~ 3ch
~~or 12~~ ~~57-140-22,32,44~~
~~un- 90~~ ~~20,29,40~~
~~rd △12 · 3e~~
~~dhSt 1-~~ 2e
~~or 7~~ -2cht
un- 2e
~~st 10-~~ 1rd ch 1or egg
~~ST 9-~~ ??
~~ST 8~~ 1cht
~~or 8~~ ~~56-100-21,30,34~~
~~55-150~~ 21,34,47
~~or 9-~~ net ch
~~or 10-~~ 3e
~~ST 7~~ ~~53-110-22,35,44~~
~~54-120~~ 22,35,44
ST 6- ??

~~or 11~~ 2ch

AREA D

3ch 𝍸 𝍸 𝍸 ||||
2ch 𝍸 | 2live 1dead - 1
1ch |
3e 𝍸 ||
2e 𝍸 ||| 5e - 1
1e 𝍸 || 4e - 1
2ch+1e 𝍸 |||| rot - 1
1ch+2e ||
1ch+1e - | - rot 1
~~ST 27~~ —
~~ST~~ 28 - 2ch+1 og cr
~~dkSt X1 2ch~~
~~dkSt △1 -~~ 3e, 2 g.p
~~vd △~~, o-1, blg - 3e 2 g.p
~~ST 30~~ - 2e
~~ST 31~~ - —
~~ST 47~~ - 2e
~~ST 78~~ - 3e - 2 g.p
~~ST 49~~ - 4e

~~ST 80~~ - 1e cr
~~ST 36~~ - 3e
~~ST 35~~ - 4e
~~ST~~ 34 - 3e
~~ST 37~~ - —
~~ST 39~~ - 2e both g.p
~~ST 40~~ - 1 dryd ch, 1 g.p, 1 cr
~~ST 43~~ - 2e
~~ST 41~~ - 2e
~~ST 42~~ - 1ch+1e
~~ST 45~~ 2ch
~~ST 46~~ - 3e - 1 g.p
~~ST 48~~ - 2ch

10 JUNE

AREA C

3e ||
2e |||
1e ||
3ch ~~||||~~ ~~||||~~ ~~||||~~
2ch ||||
1ch
1ch+2e |
2ch+1e ~~||||~~ |
1e+1ch |

1 dead - |
2 dead - || in nest

pip but not get out - |
not egg - ||||

~~ST~~ 51 - 3ch, 1 damp
red 82 - 290, 28, 65, 60 } x 1 blue
red 83 - 400, 30, 70, 70 }
~~green 87~~ 500, 28, 75, 90
~~ST~~ 69 3 ch
{ Red 94, 220 28, 42, 50
{ " 95 220 29, 40, 50
{ " 93 180 28, 38, 47

Red 85 - 160 - 27, 35, 48 }
84 - 190 24, 35, 50 }
86 - 130 20, 30, 44 }
Red 92 - 185 24, 42, 50 }
" 91 160 23, 35, 48 }
red 88 - 70 20, 30, 40 }
" 87 - 115, 21, 32, 40 }
" UN 60 17, 25, 37 }
red 90 - 165 - 23, 36, 49 }
" 89 160 - 23, 35, 48 }
~~ST 68~~ - 1 damp ch + 2e 1 pip
~~ST 66~~ - 1ch ½ out, 2e pip
~~ST 65~~ - 1ch dry, 1e
~~ST 64~~ - ??
LAGr 90 - 270 29, 58, 59 } PRI, SEC + GR COV 3/8 INCH
UN 190 27, 37, 47 }
~~ST 61~~ - 3ch
~~ST 63~~ - 3ch
~~ST 56~~ - 3ch

~~ltbl 1, wld~~ 2, 1 dry ch + 1 p.p egg
~~ST 54~~ - 1 ch + 2e ROT both
~~ST 62~~ 2e, 1 CR
~~ST 68~~: 1 ch damp, 1 p.p
~~ch rail sm 95 - 200 25, 40, 50~~
~~Lg Green 88 - 450, 31, 100, 72~~
PRI + cov $1/\frac{3}{8}$, sec smaller
~~ST 52~~ - 2e - 1 p.p
~~ST 55~~ - 1 ch dry + 1 egg ROT
~~ST 58~~ - 2 sm ch + 1 ROT Egg
~~ST 59~~ - ?
~~ST 60~~ - ?
~~ST 62~~ - 1 wet ch, 2 p.p egg
Lg Green ~~83~~ - ~~30~~, 27, 55, 60

" ~~81~~-160-23, 40, 47
+ other 82? not chk

---

rail 5 - 2e
~~ST 57~~ - ?
FLOAT - 2 egg p.p
Lg Gr ~~84~~ 36, 150, 75, 500
PRI 1/1, PRI cov $1/1\frac{1}{2}$
sec 1/1, sec cov $1/1\frac{1}{2}$
alula $1/\frac{3}{4}$
rect. $\frac{1}{2}$, scaps. 1
" ~~86~~ 36, 130, 80, 500
~~ST 53~~ - 2 ch part

FLOAT -

upright with 80° angle, big end just out of water -
~~ch~~ embryo fully formed, feathers visible

rd 4 -- chicks
3 - ch
rd 2 - #1 cracked, on side
#2 + 3 - pipped

Fl 2 - bounce - float with tip or bottom upright at 80° ± degrees

rd 1, bl 2 - out of water 1/4 inch off to side slightly

664-5288

DEPART SNI 1500 hrs.

JUNE 14, 1968

AREA – A

~~2e un~~ – 11
~~ST 1~~ – 2 ch – dampish egg shell in nest
~~ST 3~~ – 2e – all rot
~~rd 10 △~~ – 2e both rot
~~un mark~~ – 1e pip & 2 damp ch
~~rd △ 14~~ – 3 rot eggs – under
~~dkS 1~~ – 1 rot egg
~~UN~~ – ch & 1 rot egg
~~or 11~~ – 2 ch
~~Yl 11 – 2 ch~~

~~dead ch~~ – in Yl △
rd 2 – 2 ROT
ltSl △ – 3 ROT
Yl △ – ~~1 dead~~ 2 alive ch

AREA B

UN – 3 rot
~~ST 15~~ – ch alive in smashed egg
~~ST 16~~ – ~~dead ch~~ in nest
~~dkSl 2~~ – damp ch & egg pipped
~~ST 19~~ – 2 ch
~~or 89~~ – 2 ch
~~or 82~~ – 2 ch
2 ch & ~~1 dead~~
~~ST 21~~ – 2 ROT e
Green 94 – ~~dead & dead~~ [illegible]
~~or 111~~ – 2 ch
~~ST 22~~ – ~~1 dead ch~~
~~ST 24~~ – 3 ch sm
~~ST 25~~ – 3 ROT e
~~dkSl III~~ – 4 ROT & 1 pip
M
~~ST 26~~ – 1 ch
~~dkSl 3~~ – 1 rot egg

AREA C
dKSL 81 - 1 pip, 2 cr
~~ST 68~~ - 1 dead ch + 1 rot egg
~~ST 65~~ - 2 ch
~~ST 63~~ - 1 dead + 2 ch
YlΔ - 2 rot e
ClSL Δ, dWL 2 - 2 rot eg
~~ST 56~~ 3 ch
~~dead ch - [illegible]~~
~~ST 67~~ - 1 ch
~~ST 58~~ - 2 ch +
~~LASL 1 - 1 pip~~
~~vel 2 - 1 pip~~
~~dWFL - 2el pip~~
~~vel 1 SL 2 - 2~~
~~ST 62~~ - 3 ch
~~[illegible] [illegible] 3e~~
~~vel 5~~ - 2 ROT

~~Sel 35 - 3 ROT~~
~~2 dead ch~~
1 dead of 3 -
dKSL 1 - 1 good + 2 ROT
dWL 5 - all ROT
or 5 - 3 ROT + 1 ch
lΔ, dWL 4 - all ROT

LASL Δ ~~2 ch~~ + 1 ROT ½
2 good + 1 [illegible]

AREA D
~~ST 29~~ - 3 ch
~~ST 47~~ - 2 ch
~~ST 78~~ - 3 ch
~~ST 54~~ - 3e
dead ch - 1 of 3 - 1
dKSL 1 - ROT
2 ch + 1e 1 ROT
vel 1 - ROT
~~ST 44~~ 1e ROT
~~ST 43~~ - 2e ROT?
vel 1 - ROT - 11
~~ST 46~~ - 1 ROT e, dWL 2 - 2 ROT
vel Δ - 3 ROT
~~ST 49~~ - 4e all ROT
vel 4 - 4 ROT
LASL 1, vel 2 - 1 ch, 1 ROT
db ⊞ 2 ch, 1 ROT
3 ROT EGG - [illegible]
vel Δ - 2 ch, 1 ROT

15 JUNE

AREA D
626 - 71208 - 71300 ←
706 - 07402 - 422 ←

3 4
2 1
1 4

Dead 2 of 3 - 11
1 of 3 - 11

1 fresh egg unmarked
1 of 2 - 1

21
93
114

AREA C
423 - rd - 78 ~~28, 63, 63, 300~~
24 - 77 - 27 - ~~43, 60, 290~~
25 - RD - 76 ~~28, 55, 61, 300~~
26
27
28 - 41 - 52, ~~27, 45, 55, 220~~
30
31
32 18 27 — 38, 60, DAMP
33 28 27 38, 62
with pipped egg
nails black, tips white
legs pink
34
35
36
37 RD, 93 ~~30, 64, 55, 250~~
PRI + COV 3/8
38 RD. 95 ~~31, 60, 67, 330~~
39 RD. 94 ~~30, 67, 60, 320~~
40 - 41.

42
43
44
1 DEAD chick ✓||
45 RD. 92 ~~31, 70, 65, 350~~
ST 68 DEAD chick
46 → 47 → 48
49 RD. 91 ~~29, 58, 61, 290~~
50 – 51 – 52 ST 66
53
54
55, 56
57
58 → 59 → 60
{61 Lq. GR 90 ~~31, 95, 70, 440~~
{PRI COV 1¼ – 3/8
62
63 → 64
65 – 66 – 67

68 – 69 – 70
71 – 72 –
73 – 74 + DEAD chick
75 – 76 – 77 –
78
ST 56 79 – 80 + DEAD chic
81 – 82 – 83
84 – 85 – 86
87 – 88
89
90 – 91 – 92
93 RD. 99 ~~95, 35, 52, 215~~
94
95 RD. 100 ~~28, 48, 56, 240~~
96 RD. 97 ~~30, 60, 63, 270~~
97 RD. 96 ~~27, 40, 62, 205~~
98

DEAD chick 1 of 2
99

500 RD. 83 34, 120, 78, 490

2 DEAD chicks

706-53 901 ←

$01 RD. 82 — ~~33, 100, 72, 400~~

$02 RD. 79 — ~~30, 75, 67, 320~~

$03 RD. 81 — ~~38, 52, 57, 240~~

$04 RD. 80 — ~~31, 70, 64, 320~~

$05, $06, $07

$08, $09

$10 Lg GR. ~~85 43, 230, 86, 600~~+

RRI. 2-2½ COV. 1-3

SEC. 1.5-2 REC. ½-1.5

Bill Black

$11, $12

$13. [illegible].

$14

$15, $16, $17, $18, $19

$20, $21, $22, $23

$24

$25

$26, $27, $28

2 DEAD chicks

$29

$30, $31

$32, $33, $34

$35, $36,

$37, $38, $39

$40, $41

$42, $43

AREA A

951 - UN ~~25, 40, 55, 230~~
952 ~~yl 75 - 27, 47, 59, 250~~
953 + 54 PR
55 UM
56, yl 72 - ~~29, 55, 60, 315~~
57 yl 71 ~~30, 60, 61, 290~~
58 yl 65 ~~27, 45, 56, 270~~
59 - yl 66 - ~~25, 45, 57 280~~
60 - yl 67 - ~~25, 37, 50, 180~~
61, 62, 63 toge
64 + 65
66
67 + 68 - ST 1
69, 70, 71 tog - ST 5
72 + 73 - toge
Deal ch - 1
74 + 75 - toge
UN - damp 72, othe 82, 82 gr 76, 77, 78
79

80, 81, + 82 toge
83 + 84
85
86
87 - yl 61-61 | ~~29, 70, 63, 310~~
88 - yl 60 ~~31, 70, 65, 350~~
89, yl 58 ~~25, 42, 51, 200~~
90
91
92 yl 54 ~~28, 65, 59, 300~~
93, yl 53 ~~28, 60, 59, 280~~
94
95, 96, 97
98, 99
54000 + 944
45, 46, 47 out
48, 49, 50 out

Float
red 1, bl 2 - both float
about 3/8 in out of
water, off to side
at 70-80°

Fl 2 - 1 just below surface
other out of water 1/4 in

---

egg - not hatch - 1
dead ch |||

1 ch + 2 rot egg - 1
1 dead ch + 2 alive - 1

16 JUNE

AREA B

ch 𝍸 𝍸 |||

837 - 10463 - ←

	64-66 tog	
	67 & 68 tog	
69	gr 97	~~31, 55, 62~~, 300
70	·· 96	~~30, 60, 60~~, 310
71	·· 95	~~31, 60, 60~~, 330
72, 73, 74		
75 & 76		
77, 78	|	79, 80, 81
82	gr 92	~~27, 55, 58~~ 250
83	gr 91	~~30, 60, 63~~, 250
84	UN	~~28, 45, 55~~, 200
85	gr 94	~~28, 50, 59, 280~~
86	gr 93	~~27, 55, 60~~, 295
87	gr 89	~~29, 65, 64, 320~~
88	gr 90	~~30, 65, 61, 350~~
89	gr 88	~~35, 120, 82, 620~~
90	·· 87	~~34, 125, 26, 550~~

91 + 92

93 gr 82	~~28,60,63~~	340
94 gr 83	~~27,60,60~~	330
95 lg 100	36,~~120,76~~	560
96 lg 99	~~75,150,78~~	500
97 UN	~~34,110,73~~	470
98 lg 81	29,70,67	330

99 + 400 + UN tog

GBH - 1

BP. 35 9~~2~~0.

red 89

3
18⟌1.00
90
100

imm + sub 29 + 27 + 23 + $\overset{2}{+}$35 || 4
ad? 9 + 2 + 2 + 8 - 21

Pups 47 + 65 + 85 7
dew 5 + 19 + 8

LYNDAL LOREN

48 in 12
15 4
6 1
69 17

	Ad	sub	im
SB DUMP 19 JUNE	69	62	30

2 JULY

AREA A
chicks - 𝍸 𝍸 𝍸 𝍸

dead ch - |||
sm ~~a~~ Yl 75 dead - 952
539
sm Yl ~~69 — 43, 280, 80, 760~~ pri 5inch.
JUST ABOUT FLY fully feathered .
" ~~68 — 42, 250, 78 800~~ down on neck
Yl ~~65 — 38, 170, 80 650~~
PRI + COV 2-2, down on head
+ belly, SCAPS full grown
Yl ~~64 — 42, 290, 81, 725~~ down head
+ remains on back
PRI + COV + SEC + COV 2-2, tail short
down rump + flanks, elbows
Yl 72 — ~~36, 180, 76~~, 625
Yl 67 dead - + → TARSUS - 75 mm
Yl 62 dead - looks eaten

~~Yl 61 — 39, 230, 79, 775~~
down on neck head + remains on back
tail 2 inch, PRI 2-3
~~Yl 70 — 32, 110, 74, 525~~
~~Yl 58 — 38, 180, 80, 725~~
~~Yl 55 — 40, 200, 82~~, 775
~~Yl 56 — 37, 190, 76, 690~~

25JULY

AREA B

ch 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 ||||

Gr ~~100 – 38, 210, 82~~, 600

" ~~98 – 42, 240~~, 84, 740

" ~~95 – 40, 210, 78, 670~~

" ~~86 – 42, 210, 78~~, 750

" ~~94 – 40, 190, 81, 690~~

dead – 1

" 86 – 40, 190, 85, 800 far [illegible]

" ~~97 – 42, 210, 80, 750~~

dead 68, 33 : 30, 17 : 16, 30

" 45, 22 : 19, 30

Gr ~~81 – 41, 190, 82, 750~~

VEGETATION

2 chicks flying well

AREA C

nd ~~76 — 38, 210, 80~~ 660

- ~~77 — 41~~, 200, 84, 790

ch 卌|||

~~91 41, 200, 78, 600~~

dead 31, 66

27, 64

~~84 40, 140, 85, 350~~ STARVED

~~40~~ 47, 270, 87, 820

chicks from flat area go to ridges

1) both float eggs rot — w dev

♂ 18,

pup 187 ± 20%

fem 245 ± 10%

21 ♀, 18♂, 25 pup

Fregata

		+13 +8	
ad ♂♂	~~𝍸 𝍸~~	𝍸 ||||	40
ad ♀♀	𝍸 𝍸 |		11
imm.	𝍸 ||||		9
sub ♂♂			

Rallus
✓ Phalacrocorax
✓ Pelecanus
Ajaia
Fregata
✓ Butorides
✓ Nyctanassa
✓ Nycticorax
✓ Florida
✓ Ardea

✓ Leucophoyx
Mycteria
✓ Casmerodius
Larus atri

	point	N shore 146
ad ♂♂	50	4-7-13-7-10-2-23- 2-12-5-18-14-9-20
ad ♀	2	1-1-1-1-2-4-1-1-1-1-1 1-1-1-3 16
white	9	1-1-1-5-1-8-1-1-1-2- 15

+35 ad not counted

Myiarchus
Dendroica
Vireo
Agelaius 1
Tyrannus
Corvus
Rallus
Centurus

DR. BILL L JENNINGS, JR

16 JULY

count AREA - pups 70 + 90
ad ♂ 4 + 9

AREA C - 126 chicks visible
5-7 take off easily
large green 83 dead - bill 41
706-53920 - Dead - 20 mm
bill - 31, 26, 17, 28-30 (Same Nest), 18

706 - 53918 - Culmen 24 mm
453 31
495 - Red 100 35
~~34 " 85~~

706-07458 - Culmen 47 mm
Tarsus 88 mm
Wing 290 mm
blood in all primaries
2½ - 5½
Secondaries - coverts - fully formed
blood in tips.
Down in wing linings & rumps
~~Rumps~~.

Rectrices 1-3
Nails & bill black.
Iris dark brown
belly white & gray band.
base of tail white
Wgt: 900 gr.

706-07468
Culmen 46mm; tarsus 80 mm
wing 280
wgt: 880g.

706-07467
Culmen - 41mm; tarsus 86
wing - 270mm
wgt: 900g.

706- 07469
culmen 45mm; tarsus 87
wing 260
wgt: 820g.

706-07470
Culmen 40 mm; tarsus 77 mm
260mm ← wing
wgt: 670g.

706-07464
07472
07471
485
483
492
} Repeats

16 July

Dead

34 — Red 85 — culmen 34
primary 1¼ x 1½
Sec. 1x1

706-07443
culmen 42
wing 250
Tarsus 86

March - Area C - 1st nesting -
grass gully

—

AREA B

Dead Chick — culmen — 31, 31

green - 87 - 837-10498
~~[illegible]~~ - 37 - culmen

green 88 837-10[illegible] 494
38 - culmen

Large green 92 — " 837-10496
culmen 41

837-10472

AREA A

Yellow 62 - 32 cul

yellow 67
culmen – 37
tarsus 84
wing 240
wgt: 568

Yl 65 - 42, 270, 86, 760
fuzzy neck
Yl 53 - 47 mm culmen
295 wing
81 Tarsus
wgt: 720
capeable of flight

66 - 40 culmen
280 wing
Tarsus 85
wgt: 660 g.

[dead] A

53 990 ● 4/1 on a culmen
~~Day~~ The sky Call!

Adult - to tie!
47 culmen
390 wing
82 Tarsus

ELEPHANT SEALS

~~325~~

3258 left ♂,

3265 sub ♂, RT

~~3300~~

3263 left ♂

1385 } double tag molt ♂

1384 } READ

3264 Ad ♂ left

Sharks

Abelone –

JACK Caldwell, HMI

22 AUG

DEPT MAGU 0800
ARRIVE SNI 0830

chicks fled

dead loons - ~~4~~
TARSUS - 75+ 卌 卌 ||||
heads crushed
47 cul, 75+, wg 330 dead - 1
49, 90±, 380 " 1

nests mostly obliterated
adults on territory
most ads c̄ molt in pri

Young in Air + in Kelp beds

black bill
tail - base gray, 1 1/2 in bl band
neck + back dk brown
tips of feathers white
belly ~~w~~ gray - distinct line belly + neck
flight - pri, sec - scaps, rect

flight distance increase

dead birds
706-07471
457
484
706-53926
626-71254

3167 2775
2592 2566
2726 2720
sal pup 3163 ded 2728
2759 3129
1 in 3 approx ~~ded~~ tagged

ded 5 + | + 卌 卌 ||||

卌 |||
3148
2540

♂ 4
♀ 1200± 25-35%
pups?
1 in 2 or 3 tagged

Point
35 B pelican
400+ Cormorants
37 ad Gull
7 imm - (this year)
48 Terns

BLACK TURNSTONES

Comm FRYE - PMR
Buld 36

DAVID E SIRP
Pilot - ADMIN

MICHAEL W Kessock
Pilot - Ops

CDR AH CONN, USN
OinC SNI

hatched = A

banded = b

banded Returned = c

un banded Returned = D

Banded dead (E)

unbanded dead (F)

$$\frac{A'}{b} = \frac{C+D}{C}$$

$$A-(E+F) = Ph$$

$$\frac{\text{Total pop}}{\text{Total banded}} = \frac{\text{Total Ret}}{\text{Total banded Ret.}}$$

7530-222-0078
FEDERAL SUPPLY SERVICE